

MEDB 7.4 Mood Assessment

SLSDCR-SMCCB-07-038R1

TABLE 3.2 MEDICAL REQUIREMENTS OVERVIEW

MRID# and Title:	MEDB 7.4 MOOD ASSESSMENT
Sponsor:	Space Medicine
Discipline:	Behavioral Health and Performance
Category:	Medical Requirements (MR)
References:	MED_Vol B; ISS MORD
Purpose/Objectives:	The purpose is to assess the mood of the crew while they are in flight. It is used for routine health monitoring & diagnosing problems especially when preparing for high-risk activities or to help ground personnel monitor recovery.
Measurement Parameters:	N/A
Deliverables:	N/A
Flight Duration:	Greater than or equal to 30 days
Number of Flights:	Each long duration expedition
Number and Type of Crew Members Required:	All ISS crewmembers
Other Flight Characteristics:	N/A

3.3 Preflight Training

TABLE 3.3: PREFLIGHT TRAINING

Preflight Training Activity Description: Schedule:	N/A			
	Duration:	Schedule:	Flexibility:	Personnel Required:
Ground Support Requirements Hardware/Software	Preflight Hardware:	Preflight Software:	Test Location:	
Training Facilities	Minimum Room Dimensions:	Number of Electrical Outlets:	Temperature Requirements:	Special Lighting:
	Hot or Cold Running Water:	Privacy Requirements:	Other:	
Constraints/Special Requirements:				
Launch Delay Requirements:				
Notes:				

3.4 Preflight Activities

TABLE 3.4: PREFLIGHT ACTIVITIES

Preflight Activity	Description:	Assessment will consist of the objective & subjective measure as used by each International Partner to monitor their own crewmembers.			
	Schedule:	Duration:	Schedule:	Flexibility:	Personnel Required:
		30 min. 30 min. 30 min.	L-180 days L-90 days L-30 days	As clinically indicated at the discretion of each agency.	BHP Psychiatrist/Psychologist
Ground Support Requirements Hardware/Software	Preflight Hardware:		Preflight Software:	Test Location:	
	Laptop computer		COTS Mood Assessment	US or Russia	
Testing Facilities	Minimum Room Dimensions:	Number of Electrical Outlets:		Temperature Requirements:	Special Lighting:
	8' X 10'	2 (US 110V, Russia 220V)		Ambient	N/A
	Hot or Cold Running Water:	Privacy Requirements:		Vibration/Acoustic Isolation:	Other:
	N/A	Private room, free of distractions		N/A	N/A
Constraints/Special Requirements:	N/A				
Launch Delay Requirements:	N/A				
Notes:	Mood Assessments at L-180 & L-30 may be completed in conjunction with MEDB 7.2 Preflight Evaluations.				
Data Delivery	Data/Report to Designated Recipients (Nominal/Contingency):				
	Data will be held in confidence by the agency's BHP group.				

3.5 In-Flight Activities

TABLE 3.5.1: IN-FLIGHT ACTIVITIES

In-Flight Activity	Description:	Assessment will consist of the objective & subjective measure as used by each International Partner to monitor their own crewmembers. Such measures may consist of observations by subject matter experts, Private Psychological Conferences, Private Medical Conferences &/or objective mood assessments, including work-rest schedule evaluations.					
	Schedule:	Activity:	Duration:	Schedule:	Flexibility:	Blood Volume:	Personnel Required:
		Mood Assessment	15 min., minimum	Once every two weeks	As clinically indicated by each agency	N/A	BHP Psychiatrist/ Psychologist
Procedures:	N/A						
Constraints / Special Requirements:	May be completed in conjunction with MEDB 7.3 Private Psychological Conference.						
Photo / TV Requirements:	N/A						
Cold Stowage Requirements:	N/A						
Mission Extension Requirements:	As required.						
Landing Wave-Off Requirements:	N/A						
Data Delivery	Data/Report to Designated Recipients (Nominal/Contingency):						
	Data will be held in confidence by each agency’s BHP group.						

In-Flight Activities, (cont.)

TABLE 3.5.2: IN-FLIGHT HARDWARE

Hardware/Software Name	P/N
COTS Mood Assessment software	TBD
MEC	TBD

3.6 Postflight Activities

TABLE 3.6: POSTFLIGHT ACTIVITIES

Postflight Activity	Description:	Assessment will consist of the objective & subjective measure as used by each International Partner to monitor their own crewmembers.			
	Schedule:	Duration:	Schedule:	Flexibility:	Personnel Required:
		60 min., minimum	R + 30 days	As clinically indicated by each agency	BHP Psychiatrist/Psychologist
Ground Support Requirements Hardware/Software	Postflight Hardware:		Postflight Software:		Test Location:
	Laptop Computer		COTS Mood Assessment Software		US or Russia
Testing Facilities	Minimum Room Dimensions:	Number of Electrical Outlets:		Temperature Requirements:	Special Lighting:
	8' X 10'	2 (US 110V, Russia 220V)		Ambient	N/A
	Hot or Cold Running Water:	Privacy Requirements:		Vibration/Acoustic Isolation:	Other:
	N/A	Private room, free of distractions		N/A	N/A
	Constraints/Special Requirements:	May be completed in conjunction with MEDB 7.5 Postflight Psychiatric/Psychological Evaluation.			
Early Destow / Early Return:	N/A				
Notes:	N/A				
Data Delivery	Data/Report to Designated Recipients (Nominal/Contingency):				
	Data will be held in confidence by each agency's BHP group.				

3.7 Summary Schedule

TABLE 3.7: SUMMARY SCHEDULE

ACTIVITY	DURATION	SCHEDULE	FLEXIBILITY	BLOOD VOLUME	PERSONNEL REQUIRED	CONSTRAINTS
Preflight Training						
Preflight						
	30 min 30 min. 30 min	L-180 days L-90 days L-30 days	As clinically indicated at the discretion of each agency	N/A	BHP Psychiatrist/ Psychologist	N/A
In-Flight						
	15 min., minimum	Once every 2 weeks	As clinically indicated at the discretion of each agency	N/A	BHP Psychiatrist/ Psychologist	N/A
Wheels-Stop						
Postflight						
	60 min., minimum	R+30 days	As clinically indicated at the discretion of each agency	N/A	BHP Psychiatrist/ Psychologist	N/A
Postflight Debrief						